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ABSTRACT

This report presents enrollment projections for Schenectady County Community College from the fall of 1980 through 1991. It includes projections for both full-time and part-time (headcount and full-time equivalent) students and credit hours. Among the numerous variables considered in the calculations are enrollment rates of first-time full-time students (both recent high school graduates and others) in upper New York State community colleges in the age bracket (11 to 15 years) wh ich Schenectady will attain in 1980, regional and county grade-to-grade cohort survival ratios, attrition rates, and required off-campus cooperative education assignments. The methods used to arrive at the projections are presented in detail. (BB)

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ENROLLMENT PROJECTIONS FOR 1980

REVISED MAY 13, 1975

SCHENECTADY COUNTY COMMUNITY COLLEGE

JC 760 370

ENROLLMENT PROJECTION FOR THE FALL OF 1980

Projection of Full-Time Day Students

A. Rationale

Although an enrollment projection for 1980 was made in 1972 for Schenectady County Community College, it was decided to attempt to refine these projections by considering the present information on all base data used in that projection. This includes projections of high school graduates and the latest experience of upstate community colleges.

1. Using data to be published by the Office of Institutional Research of the State University of New York, entitled Geographic Origins of First-time Students Fall 1974, a tabulation was made of the first-time, full-time students enrolled from the sponsoring county for each of the colleges referred to above. In addition, the age of each community college was calculated as of the fall of 1974.

2. From a publication of the State Education Department entitled Distribution of High School Graduates and College Going Rate New York State 1974, the total number of high school graduates was recorded for each of the counties sponsoring a community college.

3. From 1 and 2, a calculation was made of the percent of high school graduates in 1974 who attended the community college sponsored by the county in which they resided, as full-time students. See Table I.

Noting the concentration of ten colleges in the 11 to 15 year age group, which brackets the age which Schenectady County Community College will reach in 1980, it was calculated that the mean percentage of high school graduates entering from the sponsorship area in that group was 19.6%. It was decided that the mean of 19.6% would be a reasonable goal for S.C.C.C. by 1980, an increase of 13.3% over the figure of 6.3% in 1974. Since the total percentage of Schenectady County graduates entering some two-year college in 1974 was 24.2%, the College was attracting about 26% of them at that time. The percentage of high school graduates in New York State entering a two-year college in 1974 was 23.7% rising from 13.0% in 1964. In 1964, the Schenectady County percentage was 18.0%.

4. In addition to the recent high school graduates entering S.C.C.C. as new full-time freshmen, the College has experienced a growth in the number of freshmen who graduated from high school a year or more prior to entering the College. A total of 115 such students entered from Schenectady County in the fall of 1974, an increase of 27 over the fall of 1973 and present applications indicate this trend is continuing. The College projects that it will attract at least this number of students, in addition to recent high school graduates in 1980.

5. The next step was to calculate the percentage that all first-time full-time students were of the total who entered from the sponsorship area. The data base referred to in paragraph 1, was used to obtain the total number of all first-time, full-time students at each college in the 11 to 15 year age group referred to in paragraph three and calculate the percentage referred to above, as well as the mean percentage for the group of ten colleges. The mean of 151.5% was below the S.C.C.C. per-

centage of 168.8%. In 1972 the mean for the other colleges was 161.5% and 160.0% at S.C.C.C. Since this is a reversal for the other colleges in the survey and an increase in the percentage at S.C.C.C., the 151.5% appears to be an even more conservative estimate.

Table II shows that Albany and Saratoga counties, which contribute significantly to S.C.C.C.'s enrollment, are adequately keeping pace with the trend apparent in Schenectady County. Their graduates maintain a quantitative 3 to 1 edge over Schenectady's and it appears that Albany and Saratoga counties will provide a stable pool of potential students in the future.

6. The last step in assembling data was to determine the percentage that all full-time students were of the total number of first-time, full-time students. Data to be published by the Office of Institutional Research of the State University entitled Geographic Origins of Students Fall of 1974 was used for this purpose for the same ten colleges referred to above. See Table IV.

The data indicated that S.C.C.C., with 193.4% is slightly below the mean of 210.8%. The College is engaged in extensive efforts to improve its retention rate through special remedial and counselling programs and projects that the achievement of at least the mean average will be reached well in advance of 1980.

It should be noted that the reason that many of the percentages exceed 200% is that, first, no transfer students are included in the State University report for first-time, full-time students, even if they have

freshmen status; and, second, that many students at community colleges would expect to enroll for more than two years to complete their programs under an open admissions policy. This accounts for what might appear to many as an inaccuracy to imply that the number of second year students would exceed the number of first year students.

B. Calculation

Using the assumptions made on the basis of the summary data reported above, it was possible to project the full-time enrollment for the fall of 1980 as follows:

1. The number of high school graduates in Schenectady County in 1980, according to recent Survival Cohort Ratios and current public and non-public enrollment data issued by the State Education Department, will be 2223. From paragraph 3 above, it is assumed that 19.6% of the graduates will enroll at S.C.C.C. Therefore,

   2223 x .196 = 436 First-time, full-time students who are recent graduates from Schenectady County High Schools.

2. Referring to paragraph 4 above, it is assumed that at least 115 freshmen will enroll in addition to recent high school graduates. Therefore,

   436 + 115 = 551 First-time, full-time students from Schenectady County.

3. From paragraph 5 above, it is assumed that the total number of full-time, first-time students will represent 151.5% of the students projected in (2). Therefore,

   551 x 1.515 = 835 First-time, full-time students.

4. From paragraph 6 above, it is assumed that the total number of full-time students will represent 210.8% of the first-time, full-time students projected in (3). Therefore,

835 x 2.108 = 1760 Total full-time students.

5. Since the College has a cooperative education requirement, it projects that half of its seniors will be off-campus on full-time salaried positions each fall. Therefore, it is necessary to project the number of on-campus students. The calculations are as follows:

	1760	Full-time students in fall of 1980
-	835	First-time, full-time
	925	
-	100	Transfer Students (assumption)
	825	Returning Students
	413	Off-Campus in co-op jobs
	1347	On-Campus in Fall of 1980

This was based upon the assumption that all returning students will be eligible for co-op. Therefore, the number projected to be on-campus is a minimum.

Projection of Part-Time Students

A. Rationale

It was decided that it would be more realistic to compare enrollment trends of community colleges in a similar urban setting, rather than include those which are located in less well populated areas and do not have the same potential for attracting a large number of part-time students.

From updated statistics gathered from the State University Office of Institutional Research, the Fall 1974 part-time enrollment for community colleges in five urban areas* in the State was computed.

1. Projections based on 1974 data from the five urban-based community colleges and an interpolation of 1970-75 population statistics obtained from the State Department of Commerce for the 20-60 year age groups resulted in a mean of 1.29% of the sponsoring county population in part-time attendance. It was assumed that the target age group should be extended due to foreseeable shifts in population distribution and the recurring attempts of the College to attract students from all age groups. The percentage for Schenectady County was 1.50, somewhat higher than the mean for the other colleges.

2. To determine out of county attendance, the ratio of total part-time attendance to part-time attendance from the sponsoring area was used. From the five colleges, the mean ratio was 1.42. The Schenectady County Community College figure was 1.52.

   The location of S.C.C.C. adjacent to fairly populous counties not sponsoring community colleges has been a major factor in its ability to attract part-time students from outside Schenectady County. For that reason, it was determined to use the 1.52 ratio rather than the mean ratio of 1.42.

3. The projected 1980 population of 87,137 for the 20-60 age group in Schenectady County was obtained from the Department of Commerce.

4. Present experience at S.C.C.C. indicates that part-time students take an average of 4.6 credits in the fall term. This was the basis for the credit hour generation.

*Erie's pattern is significantly different from the other urban areas and the size of its figures has an undue influence on the average. This has been true in both 1972 and 1974 data and so Erie was not included in the computation.

5. It should also be noted that the calculations indicate two enrollment figures. The lower figure was determined by using the mean of 1.29% of the sponsoring county population. The higher figure was based on the actual experience of 1.50% of the Schenectady County population. See 1).

B. Calculations

1. From the 1974 data (See Table VII) the mean percent of 1.29 was applied to the estimated 1980 population, ages 20-60.

.0129 x 87,137 = 1124 part-time students projected from Schenectady County in 1980

2. The ratio of total part-time attendance to part-time attendance from the sponsoring county was used to determine out of county enrollment.

1.52 x 1124 = 1708 total part-time students as opening fall enrollment (604 students from out of Schenectady County)

3. The present experience (1974) indicates that the part-time students take an average of 4.6 credit hours in the fall term.

4.6 x 1708 = 7856.8 Total Credit Hours

7856.8 ÷ 15 = 523.8 FTE Students in the Fall of 1980

4. If Schenectady County's 1.50% of the sponsorship population and the out of County ratio of 1.53 were used the figure would be:

1) .0150 x 87,137 = 1308 Part-time students projected from Schenectady County in 1980

2) 1.52 x 1308 = 1988 Total part-time students; Opening Fall Enrollment (701 out of County students)

3) 4.6 x 1988 = 9145.5 Total Credit Hours

9145.5 ÷ 15 = 609.7 Part-time FTE, Fall 1980

1974 Revision: FULL-TIME DAY ENROLLMENT

Between September 1974 and January 1975 various refinements of the original enrollment projection for 1980 were made. The same basic computational format was maintained.

1. Schenectady County High School Graduates. The 1972 projection of the class of 1980 graduates was 2475. A reexamination of public and private high school enrollment data from 1968 through 1973 [Survey of Enrollment, Staff and Schoolhousing, State Education Department 1968-1973] and high school graduates [Distribution of High School Graduates and College Going Rate, State Education Department 1969-1973] and a calculation of grade to grade survival ratios was made.

   A distribution of enrollment from enrollment data published by the State Education Department (Opening Fall Enrollments, 1973) for all grades was noted. Progression from grade to grade was based on a cohort survival ratio for the entire Upper Hudson Region, which includes nine counties. Since the rate of growth is different for each county, these figures were considered to be inaccurate. A similar cohort survival model was made for Schenectady County using opening fall enrollments back to 1968 to get each grade survival over five years. Table V displays the Public and Non-Public (private) grade to grade survival ratios for the Upper Hudson Region and Schenectady County.

   -attrition rates using a cohort survival model from grade 6 to graduation were .936 for public schools and .355 for non-public schools.

Table VI shows that there is some similarity between applications of the Regional and County survival models to the number of Schenectady County high school graduates. The major difference is that the County figures tend to be slightly higher. Ironically, 1980 graduates are the same in both models.

-calculations show the combined public and non-public graduation classes from Schenectady County high schools will be 2223 in 1980 and has replaced our projection of 2475 used in 1972 from the State Education Department data.

Changes in the live birth rate over the next five years will have an effect on the number of children entering school and will necessitate new survival ratios to be made each year.

2. Winter and Spring Enrollments, Full-time, 1980-81. Taking into account both withdrawals and the registration of new students each quarter, it is projected that the net enrollment for each term will be 90% of the previous term's enrollment. The College is in a favorable position in regard to the enrollment of new students for the winter and spring terms because of its quarter plan. Present experience indicates that transfers from other colleges, which are on the semester plan, find the quarter calendar at S.C.C.C. convenient for early transfer. Due to the cooperative education program schedule, Spring and Summer enrollments are projected as identical.

3. Total Credit Hours: Full-time Day, 1980-81. This figure is constantly revised as data on average term credit hours per full-time student are accumulated. Current averages used in the 1974 calculation are as follows:

Fall - 16.4; Winter - 15.8; Spring - 15.7; Summer - 15.0. FTE is calculated by dividing the total credit hours by 45.

4. Winter, Spring and Summer; Total Credit Hours; FTE Part-time 1980-81. The projected attrition rates for subsequent terms are .8113 (Fall to Winter), 1.1575 (Winter to Spring) and .6018 (Spring to Summer), based on present experience. Original average term credit hours per student were revised with accumulated data as follows: Fall (4.6), Winter (4.7), Spring (4.8) and Summer (4.0). FTE was determined by dividing total credit hours by 45.

Projection of High School Graduates: 1980-81

Although there is no current enrollment data for children who will graduate from high school in 1989, 1990 and 1991, a determination of first grade enrollment was made using an aggregate mean of previous first grade enrollments as a percent of live resident births. This was done separately for both public and non-public schools.

For Schenectady County the mean percent of live resident births entering first grade was 80.5 for public schools and 12.5 for non-public schools. For Albany County the percentages were 72.7 and 23.9 respectively; for Saratoga County the percentages were 145.0 and 10.2 respectively.

The County or Regional grade to grade survival ratios were then applied to the projected first grade enrollment to obtain a projected number of graduates.

Projection of Full-Time Equivalent FTE Students

The original FTE projection for 1980 was 2095. With revisions in full-time and part-time data collected, this has been modified, varying with the part-time data

used. The range would be from 2236.6 FTE (Fall part-time enrollment = 1708) to 2331.1. (Fall part-time enrollment = 1988.) See page 7.

Fall 1980	-	Full-time day	1759
		On-campus	1347
		Annual FTE (Full-time)	1660.3
Fall 1980	-	Part-time	1708-1988
		Annual FTE (Part-time)	576.2-670.4
		Total Annual FTE	2236.6-2331.1

TABLE I

PERCENTAGE FIRST-TIME, FULL-TIME STUDENTS FROM THE SPONSORING COUNTIES WERE OF ALL COUNTY HIGH SCHOOL GRADUATES

AGE OF COLLEGE	1974 PERCENTAGE
6	(ND)[1], 10.3, 6.3, (SCCC)
7	10.9, 30.2, 20.7, 8.3 (ND)[2]
8	
9	
10	
11	23.5
12	22.3, 22.4, 24.1, 25.2
13	11.7, 20.3
14	14.3
15	15.3, 16.8
16	21.6
17	24.1, 17.3
18	
19	
20	
21	
22	32.9, 24.5
23	(ND)[3], 18.2
24	
25	
26	
27+	25.3, 16.8, 25.0, 8.8
	Mean % (26 of 29 colleges) 19.3
	Mean % (10 colleges) 19.6
	Median % (26 of 29 colleges) 20.5
	Median % (10 colleges) 21.3

(ND) = No Data
(ND)[1] = Clinton Community College
(ND)[2] = Tompkins-Cortland Community College
(ND)[3] = Jamestown Community College

TABLE II

ACTUAL AND PROJECTED
SCHENECTADY, ALBANY AND SARATOGA COUNTY
HIGH SCHOOL GRADUATES, 1974 - 1991

YEAR	SCHENECTADY GRADUATES*	CHANGE	ALBANY & SARATOGA GRADUATES**	CHANGE
1974	2446[a]		4303 + 2263 = 6566[a]	
1975	2440	- 6	4224 + 2343 = 6567	+ 1
1976	2390	- 50	4293 + 2447 = 6740	+ 173
1977	2345	- 45	4090 + 2520 = 6610	- 130
1978	2410	+ 65	4178 + 2624 = 6802	+ 192
1979	2303	- 107	4173 + 2740 = 6913	+ 111
1980	2223	- 80	3917 + 2842 = 6741	- 172
1981	2247	+ 24	3972 + 2883 = 6855	+ 114
1982	2116	- 131	4076 + 2867 = 6943	+ 88
1983	2080	- 36	3681 + 2946 = 6627	- 316
1984	1998	- 82	3509 + 2838 = 6347	- 280
1985	2011	+ 13	3431 + 2301 = 6132	- 215
1986	1970	- 41	3448 + 2772 = 6220	+ 88
1987	2106	+ 136	3314 + 2865 = 6179	- 41
1988	2081	- 25	3345 + 3190 = 6535	+ 356
1989	1937	- 144	3012 + 3166 = 6178	- 357
1990	1717	- 220	2654 + 3050 = 5704	- 474
1991	1588	- 129	2505 + 2842 = 5347	- 357

* Public and Non-public Schools based on County Survival Ratios
** Public and Non-public Schools based on Regional Survival Ratios
(a) Based on actual figures from the State Education Department

TABLE IIA

BASIS FOR PROJECTED HIGH SCHOOL GRADUATES 1986-91
(SEE TABLE II)

Birth Year	Number Resident Live Births*	First Grade Enrollment**	Graduation Year	Number Graduates***
1968	2454	2282	1986	1970
1969	2623	2440	1987	2106
1970	2593	2411	1988	2081
1971	2414	2245	1989	1937
1972	2141	1991	1990	1717
1973	1979	1840	1991	1588
Schenectady County				
1968	4706	4546	1986	3448
1969	4523	4369	1987	3314
1970	4566	4410	1988	3345
1971	4111	3973	1989	3012
1972	3622	3499	1990	2654
1973	3418	3302	1991	2505
Albany County				
1968	2071	3215	1986	2772
1969	2230	3460	1987	2865
1970	2407	3736	1988	3190
1971	2388	3707	1989	3166
1972	2302	3573	1990	3050
1973	2144	3328	1991	2842
Saratoga County				

* Source: New York State Department of Health, Office of Biostatistics.

** See page 10 for ratios used here.

*** See Table V for ratios used here.

TABLE III

PERCENTAGE ALL FULL-TIME, FIRST-TIME STUDENTS WERE OF ALL FIRST-TIME FULL-TIME STUDENTS FROM SPONSORING COUNTIES

AGE OF COLLEGE	1974 PERCENTAGE
6	(ND)[1], 117.1, 168.8, (SCCC)
7	198.4, 232.2, (ND)[2]
8	
9	
10	
11	131.3
12	113.3, 119.9, 132.4, 418.0
13	112.8, 117.7
14	165.7
15	100.3, 103.7
16	
17	124.9, 251.0
18	
19	
20	
21	
22	217.2, 302.3
23	127.4, (ND)[3]
24	
25	
26	
27+	112.5, 114.4, 123.6, 145.5

$(ND)_1$ = No Data
$(ND)_2$ = Clinton Community College
$(ND)_3$ = Tompkins-Cortland Community College
(ND) = Jamestown Community College

Mean % (26 of 29 colleges) 166.8
Mean % (10 colleges) 151.5

Median % (26 of 29 coll) 129.4
Median % (10 colleges) 116.6

TABLE IV

PERCENTAGE ALL FULL-TIME STUDENTS WERE OF ALL FULL-TIME, FIRST-TIME STUDENTS

AGE OF COLLEGE	1974 PERCENTAGE
6	(ND)[1], 190.2, 193.4 (SCCC)
7	(ND)[2], 226.0, 233.1, 171.3,205.9
8	171.3, 205.9
9	
10	
11	193.6
12	170.4, 203.7, 206.5, 210.8
13	199.6, 261.8
14	224.7
15	210.5, 226.0
16	
17	217.0, 224.2
18	309.7
19	
20	
21	
22	200.3, 218.7
23	237.5, (ND)[3]
24	
25	
26	
27+	168.7, 170.6, 207.5, 256.0

(ND) = No Data
(ND)[1] = Clinton Community
(ND)[2] = Tompkins-Cortland Community College
(ND)[3] = Jamestown Community College

Mean % (26 of 29 colleges) 212.2
Mean % (10 colleges) 210.8

Median % (26 of 29 colleges) 209.0
Median % (10 colleges) 208.5

TABLE V

REGIONAL AND COUNTY GRADE TO GRADE COHORT SURVIVAL MODELS

REGIONAL SURVIVAL RATIOS				GRADES	SCHENECTADY COUNTY SURVIVAL RATIOS			
PUBLIC		PRIVATE			PUBLIC		PRIVATE	
.970		.928		12-G	.944		.963	
.950	(0.9215)	.929	(0.9187)	11-12	.963	(0.9090)	.921	(0.8869)
.935	(0.8616)	.891	(0.8186)	10-11	.954	(0.8672)	.891	(0.7902)
.976	(0.8409)	.868	(0.7105)	9-10	.999	(0.8663)	.798	(0.6306)
1.049	(0.8821)	.828	(0.5883)	8- 9	1.060	(0.9183)	.721	(0.4546)
1.000	(0.8821)	.962	(0.5659)	7- 8	.998	(0.9165)	.907	(0.4123)
1.027	(0.9059)	.949	(0.5371)	6- 7	1.021	(0.9357)	.836	(0.3347)
1.016	(0.9204)	.920	(0.4941)	5- 6	.977	(0.9329)	.912	(0.3144)
1.009	(0.9287)	.940	(0.4645)	4- 5	1.002	(0.9348)	.910	(0.2861)
1.005	(0.9333)	.924	(0.4292)	3- 4	1.004	(0.9385)	.911	(0.2606)
1.002	(0.9325)	.921	(0.3953)	2- 3	.987	(0.9263)	.928	(0.2418)
.950	(0.8884)	.919	(0.3632)	1- 2	1.039	(0.9625)	.918	(0.2220)

TABLE VI

REGIONAL AND COUNTY COHORT SURVIVAL RATIOS APPLIED TO SCHENECTADY COUNTY HIGH SCHOOL GRADUATES

GRADE	ENROLLMENT*	GRADUATION YEAR	REGIONAL RATIOS APPLIED TO SCHENECTADY GRADUATES	COUNTY RATIOS APPLIED TO SCHENECTADY GRADUATES
12	2493	1974	2422	2357
11	2690	1975	2475	2440
10	2775	1976	2381	2390
9	2760	1977	2296	2345
8	2768	1978	2359	2410
7	2688	1979	2271	2303
6	2596	1980	2223	2223
5	2625	1981	2278	2247
4	2509	1982	2166	2166
3	2458	1983	2126	2080
2	2400	1984	2067	1998
1	2331	1985	1907	2011
		1986	1866	1970
	N/A	1987	1995	2106
		1988	1971	2081

* 1973, Public and Non-public schools in Schenectady County.

TABLE VII

PROJECTION OF PART-TIME STUDENTS FOR 1980

COLLEGE	PT.-TIME FALL 1974	PT.-TIME FROM SPONSOR	RATIO OF COL. 1 TO COL. 2	SPONSOR POP. 1974	COL. 2 AS A % OF COL. 4	EST. POP. 1980 **
Onondaga	2559	2429	1.05	239,333	1.01%	269,510
Monroe	4402	4090	1.08	374,387	1.09%	426,510
Broome	1874	1586	1.18	110,695	1.43%	118,688
MVCC	3000	2635	1.14	134,620	1.96%	143,860
HVCC	1859	723	2.57	75,623	0.96%	84,463
SCCC	1856	1219	1.52	81,205	1.50%	87,137
MEAN			1.42		1.29%	

** Population figures are for those in the 20 to 60 year age group.

CALCULATION OF GRADE TO GRADE SURVIVAL RATIOS

For Schenectady County

Kindergarten/Grade 1			Grade 1/Grade 2			Grade 3/Grade 2		
Enrollment		Survival Ratio Column (2) ÷ Column (1)	Enrollment		Survival Ratio Column (2) ÷ Column (1)	Enrollment		Survival Ratio Column (2) ÷ Column (1)
Grade 1 Column (1)	K Column (2)		Grade 2 Column (1)	Grade 1 Column (2)		Grade 2 Column (1)	Grade 3 Column (2)	
69	68		69 2325	68 2349		68 2375	69 2334	
70	69		70 2333	69 2412		69 2325	70 2277	
71	70		71 2227	70 2313		70 2333	71 2325	
72	71		72 2135	71 2298		71 2227	72 2187	
73	72		73 2072	72 2141		72 2135	73 2123	
Average Projective Ratio			Average Projective Ratio		1.039	Average Projective Ratio		0.987

Grade 4/Grade 3			Grade 5/Grade 4			Grade 6/Grade 5		
Enrollment		Survival Ratio Column (2) ÷ Column (1)	Enrollment		Survival Ratio Column (2) ÷ Column (1)	Enrollment		Survival Ratio Column (2) ÷ Column (1)
Grade 3 Column (1)	Grade 4 Column (2)		Grade 4 Column (1)	Grade 5 Column (2)		Grade 5 Column (1)	Grade 6 Column (2)	
68 2385	69 2410		68 2268	69 2283		68 2406	69 2350	
69 2334	70 2381		69 2410	70 2445		69 2283	70 2337	
70 2277	71 2293		70 2381	71 2375		70 2445	71 2472	
71 2325	72 2311		71 2293	72 2279		71 2375	72 2349	
72 2187	73 2155		72 2311	73 2299		72 2279	73 2247	
Average Projective Ratio		1.004	Average Projective Ratio		1.002	Average Projective Ratio		0.997

Grade 7/Grade 6			Grade 8/Grade 7			Grade 9/Grade 8		
Enrollment		Survival Ratio Column (2) ÷ Column (1)	Enrollment		Survival Ratio Column (2) ÷ Column (1)	Enrollment		Survival Ratio Column (2) ÷ Column (1)
Grade 6 Column (1)	Grade 7 Column (2)		Grade 7 Column (1)	Grade 8 Column (2)		Grade 8 Column (1)	Grade 9 Column (2)	
68 2465	69 2522		68 2398	69 2391		68 2410	69 2486	
69 2350	70 2417		69 2522	70 2528		69 2391	70 2558	
70 2337	71 2419		70 2417	71 2427		70 2528	71 2676	
71 2472	72 2496		71 2419	72 2401		71 2427	72 2600	
72 2349	73 2369		72 2496	73 2484		72 2401	73 2567	
Average Projective Ratio		1.021	Average Projective Ratio		0.998	Average Projective Ratio		1.060

Grade 10/Grade 9			Grade 11/Grade 10			Grade 12/Grade 11		
Enrollment		Survival Ratio Column (2) ÷ Column (1)	Enrollment		Survival Ratio Column (2) ÷ Column (1)	Enrollment		Survival Ratio Column (2) ÷ Column (1)
Grade 9 Column (1)	Grade 10 Column (2)		Grade 10 Column (1)	Grade 11 Column (2)		Grade 11 Column (1)	Grade 12 Column (2)	
68 2516	69 2531		68 2382	69 2342		68 2364	69 2289	
69 2486	70 2540		69 2531	70 2393		69 2342	70 2300	
70 2558	71 2570		70 2540	71 2417		70 2393	71 2326	
71 2676	72 2608		71 2570	72 2450		71 2417	72 2312	
72 2600	73 2562		72 2608	73 2444		72 2450	73 2287	
Average Projective Ratio		0.999	Average Projective Ratio		0.954	Average Projective Ratio		0.963

ENROLLMENT PROJECTIONS 1980-1991

Based on Schenectady County High School Graduates for Those Years

YEAR	SCHENECTADY COUNTY HIGH SCHOOL GRADUATES	OPENING FALL ENROLLMENT FULL TIME	PART TIME	TOTAL	FULL-TIME FTE	PART-TIME FTE	TOTAL FTE
1980	2223	1347	1708a	3055	1660.3	576.2	2236.6
			1988b	3335		670.4	2331.1
1981	2247	1358	1708	3066	1674.0	576.2	2250.2
			1988	3346		670.4	2344.7
1982	2166	1320	1708	3028	1627.9	576.2	2204.1
			1988	3309		670.4	2298.7
1983	2080	1281	1708	2989	1580.0	576.2	2155.2
			1988	3269		670.4	2249.7
1984	1998	1243	1708	2951	1532.1	576.2	2108.5
			1988	3231		670.4	2203.1
1985	2011	1249	1708	2957	1539.7	576.2	2115.9
			1988	3237		670.4	2210.5
1986	1970	1230	1708	2938	1516.4	576.2	2092.6
			1988	3213		670.4	2187.1
1987	2106	1293	1708	3001	1593.8	576.2	2170.0
			1988	3281		670.4	2264.5
1988	2081	1281	1708	2988	1579.5	576.2	2155.8
			1988	3268		670.4	2250.3
1989	1937	1215	1708	2923	1497.6	576.2	2073.8
			1988	3203		670.4	2168.4
1990	1717	1113	1708	2821	1372.4	576.2	1948.7
			1988	3101		670.4	2043.2
1991	1588	1054	1708	2762	1299.0	576.2	1875.2
			1988	3042		670.4	1969.8

a = based on 1.29 mean percent of five urban areas population age group; 1.52 ratio total part-time enrollment to Schenectady County enrollees 1980 population of 87,137. See page 7.

b = based on 1.50 percent of Schenectady County population, etc., same as (a). See page 7.

ENROLLMENT PROJECTIONS

(KEY TO CALCULATIONS)

Public H.S. Graduates	
+Private H.S. Graduates	
2223	
x .196	(Projected percent of County High School graduates to attend SCCC)
436	First-time, full-time from Schenectady from that graduation year
+ 115	Pre-graduation year graduates
451	All first-time, full-time students
x 1.515	(Projected ratio of all first-time, full-time students and full-time students from sponsoring counties)
835	First-time students
x 2.108	(Projected of all full-time students and first-time, full-time students)
1760	Total full-time students
- 835	
925	
- 100	Transfer students (assumption)
825	Returning Students

Line 3	=	Line 2 - 1/2 returning students (Co-op Assignments)
Line 4	=	Line 3 x .9
Line 5	=	Line 4 x .9
Line 6	=	Line 5
Line 7	=	Sum of Lines 3 through 6
Line 8	=	Line 3 x 16.5 + line 4 x 15.8 + line 5 x 15.7 + line 6 x 15.0
Line 9	=	Line 8/45
Line 10	=	Opening fall enrollment
Line 11	=	Line 10 x .8113
Line 12	=	Line 11 x 1.1575
Line 13	=	Line 12 x .6018
Line 14	=	Sum of Lines 10 through 13
Line 15	=	Line 10 x 4.6 + line 11 x 4.7 + line 12 x 4.8 + line 13 x 4.0
Line 16	=	Line 15/45
Line 17	=	Line 8 + Line 15
Line 18	=	Line 17/45
Line 19	=	Line 18 - 2095
Line 20	=	Line 10/2095

ENROLLMENT PROJECTIONS (1980 - 1991)

	1980		1981		1983	
1. #Sch. Cty. H. S. Grads.	2223		2247		2166	
2. Total Full-Time Students	1759		1774		1723	
3. On Campus, Fall	1347		1358		1320	
4. On Campus, Winter	1212		1222		1188	
5. On Campus, Spring	1091		1100		1069	
6. On Campus, Summer	1091		1100		1069	
7. Full-Time H/C	4741		4780		4646	
8. Full-Time Cr. Hrs.	74715.3		75329.8		73255.9	
9. Full-Time FTE	1660.3		1674.0		1627.9	
10. Part-Time, Fall	1708	1988	1708	1988	1708	1988
11. Part-Time, Winter	1386	1613	1386	1613	1386	1613
12. Part-Time, Spring	1604	1867	1604	1867	1604	1867
13. Part-Time, Summer	965	1124	965	1124	965	1124
14. Part-Time H/C	5663	6592	5663	6592	5663	6592
15. Part-Time Cr. Hrs.	25930.2	30183.5	25930.2	30183.5	25930.2	30183.5
16. Part-Time FTE	576.2	670.4	576.2	670.4	576.2	670.4
17. Total Cr. Hrs.	100645	104898.8	101260.0	105513.3	99186.1	103439.4
18. Total FTE	2236.6	2331.1	2250.2	2344.7	2204.1	2298.7
19. Numerical Diff. from 2095	141.6	236.1	155.2	249.7	109.1	203.7
20. % Difference	6.75%	11.27%	7.40%	11.92%	5.20%	9.72%

Page 2 of Enrollment Projections (1980-1991)

	1983		1984		1985	
1. # Sch. Cty. H.S. Grads	2080		1998		2011	
2. Total Full-Time Students	1669		1618		1626	
3. On Campus, Fall	1281		1243		1249	
4. On Campus, Winter	1152		1118		1124	
5. On Campus, Spring	1037		1007		1011	
6. On Campus, Summer	1037		1007		1011	
7. Full-Time H/C	4507		4375		4395	
8. Full-Time Cr. Hrs.	71053.9		68954.4		69287.2	
9. Full-Time FTE	1580.0		1532.1		1539.7	
10. Part-Time, Fall	1728	2009	1728	2009	1728	2009
11. Part-Time, Winter	1402	1630	1402	1630	1402	1630
12. Part-Time, Spring	1623	1887	1623	1887	1623	1887
13. Part-Time, Summer	977	1135	977	1135	977	1135
14. Part-Time H/C	5730	6661	5730	6661	5730	6661
15. Part-Time Cr. Hrs.	26236.6	30500.0	26236.6	30500.0	26236.6	30500.0
16. Part-Time FTE	583.0	677.8	583.0	677.8	583.0	677.8
17. Total Cr. Hrs.	96984.1	101237.4	94884.6	99137.9	95217.4	99470.7
18. Total FTE	2155.2	2249.7	2108.5	2203.1	2115.9	2210.5
19. Numerical Diff.from 2095	60.2	154.7	13.5	108.1	20.9	115.5
20. % Difference	2.87%	7.39%	0.64%	5.16%	0.99%	5.51%

Page 3 of Enrollment Projections (1980-1991)

	1986		1987		1988	
1. # Sch. Cty. H.S. Grads	1970		2106		2081	
2. Total Full-Time Students	1600		1686		1670	
3. On Campus, Fall	1230		1293		1281	
4. On Campus, Winter	1107		1163		1153	
5. On Campus, Spring	996		1047		1038	
6. On Campus, Summer	996		1047		1038	
7. Full-Time H/C	4329		4550		4510	
8. Full-Time Cr. Hrs.	68237.5		71719.6		71079.5	
9. Full-Time FTE	1516.4		1592.8		1579.5	
10. Part-Time, Fall	1728	2009	1728	2009	1728	2009
11. Part-Time, Winter	1402	1630	1402	1630	1402	1630
12. Part-Time, Spring	1623	1887	1623	1887	1623	1887
13, Part-Time, Summer	977	1135	977	1135	977	1135
14. Part-Time H/C	5730	6661	5730	6661	5730	6661
15. Part-Time Cr. Hrs.	26236.6	30500.0	26236.6	30500.0	26236.6	30500.0
16. Part-Time FTE	583.0	677.8	583.0	677.8	583.0	677.8
17. Total Cr. Hrs.	94167.7	98421.0	97649.8	101903.1	97009.7	101263.0
18. Total FTE	2092.6	2187.1	2170.0	2264.5	2155.8	2250.3
19. Numerical Diff.from 2095	-2.4	92.1	75.0	169.5	60.8	155.3
20. % Difference	-0.11%	4.40%	3.57%	8.09%	2.90%	7.41%

	1989		1990		1991	
1. # Sch. Cty. H. S. Grads	1937		1717		1588	
2. Total Full-Time Students	1580		1442		1361	
3. On Campus, Fall	1215		1113		1054	
4. On Campus, Winter	1093		1002		948	
5. On Campus, Spring	984		902		853	
6. On Campus, Summer	984		902		853	
7. Full-Time H/C	4276		3919		3708	
8. Full-Time Cr. Hrs.	67392.5		61759.6		58456.0	
9. Full-Time FTE	1497.6		1372.4		1299.0	
10. Part-Time, Fall	1728	2009	1728	2009	1728	2009
11. Part-Time, Winter	1402	1630	1402	1630	1402	1630
12. Part-Time, Spring	1623	1887	1623	1887	1623	1887
13. Part-Time, Summer	977	1135	977	1135	977	1135
14. Part-Time H/C	5730	6661	5730	6661	5730	6661
15. Part-Time Cr. Hrs.	26236.6	30500.0	26236.6	30500.0	26236.6	30500.0
16. Part-Time FTE	583.0	677.8	583.0	677.8	583.0	677.8
17. Total Cr. Hrs.	93322.7	97576.0	87689.8	91943.1	84386.2	88639.5
18. Total FTE	2073.8	2168.4	1948.7	2043.2	1875.2	1969.8
19. Numerical Diff.from 2095	-21.2	73.4	-146.3	-51.8	-219.8	-125.2
20. % Difference	-1.01%	3.50%	-6.98%	-2.47%	-10.48%	-5.98%

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